

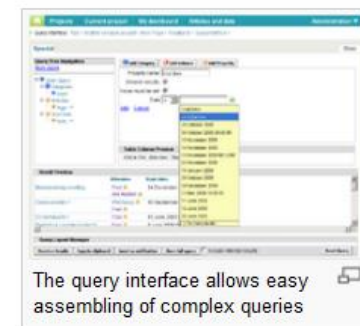
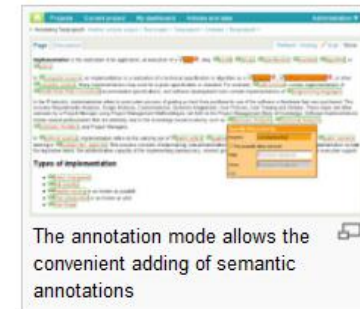


Halo: Current status & future developments in 2010

- What do we have so far
- What do we plan to implement in 2010
- For when do we plan it (Roadmap)



- What do we have so far?
 - Halo core extension
 - Halo Access Control extension
 - Triple Store Connector
 - Data Import extension
 - Rich Media extension
 - WYSIWYG extension
 - Semantic Gardening extension
 - Enhanced Retrieval extension
 - Semantic Notifications extension
 - Semantic Treeview extension
 - Deployment Framework

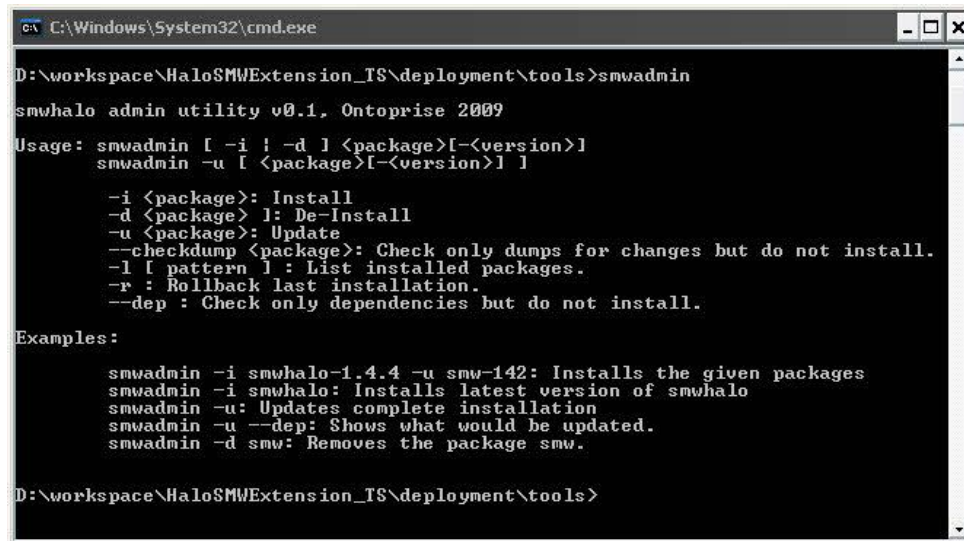


- Rule Knowledge extension
- Collaboration extension
- User Manual extension
- Connectors to MS Excel & MS Project



Deployment Framework: Why it's good for you

- For wiki administrators / users
 - Easily install, update and remove MW extensions
 - No need to
 - download extensions manually
 - take care of dependencies on other extensions
 - configure setting files



```
C:\Windows\System32\cmd.exe

D:\workspace\HaloSMWExtension_TS\deployment\tools>smwadmin

smwhalo admin utility v0.1, Ontoprise 2009

Usage: smwadmin [ -i | -d ] <package>[-<version>]
       smwadmin -u [ <package>[-<version>] ]

    -i <package>: Install
    -d <package> | De-Install
    -u <package>: Update
    --checkdump <package>: Check only dumps for changes but do not install.
    -l [ pattern ] : List installed packages.
    -r : Rollback last installation.
    --dep : Check only dependencies but do not install.

Examples:

smwadmin -i smwhalo-1.4.4 -u smw-142: Installs the given packages
smwadmin -i smwhalo: Installs latest version of smwhalo
smwadmin -u: Updates complete installation
smwadmin -u --dep: Shows what would be updated.
smwadmin -d smw: Removes the package smw.

D:\workspace\HaloSMWExtension_TS\deployment\tools>
```



Deployment Framework: Why it's good for you

- For extension developers
 - Convenient way of distributing your extensions
 - Makes sure your extension is installed/updated correctly
- Check out manuals on the SMW Forum
 - [Admin/user manual](#)
 - [How-to for extension developers](#)



Future development activities in 2010

- Outlook: What we have planned for 2010




Overhauled Query Interface


- Goal: Improve usability and provide extra features for advanced users
- New features
 - Store queries and re-use existing ones
 - Ease usage of custom result formats (templates)
 - Ease specification of property chains in queries
 - Get help if the result preview is empty
 - Features for the experienced user
 - show query expression in ASK and SPARQL syntax
 - directly manipulate queries in the ASK source syntax



Overhauled Query Interface

Starting screen of the revised query interface



Change view  | WikiSysop | Log out

Projects ▾

Current project ▾

My dashboard ▾

Articles and data ▾

Administration ▾

Fred > Person > Fred > Main Page > QueryInterface

Special page ? More ▾

Query Interface

[Load query](#) [Discard changes](#)

Query:

▼ Query definition

Include derived (inferred) results: ☒ yes

Info

Click on:
* Add category
* Add property
* Add instances
to create a new query..

Query as tree

Query as text

Your query is empty!

► Result



Overhauled Query Interface

Page for loading an existing query



Change view | WikiSysop | Log out

Search this wiki

Go

Search

[Home](#) [Projects](#) [Current project](#) [My dashboard](#) [Articles and data](#) [Administration](#)

► Fred > Pers

Special page

Query

Load que

Enter nam

Query:

Query:

▼ Query definition

Query paramater

BornIn:

Parameter 1

LivesIn:

Parameter 2

Update query

Reset

Query as tree

Query as text

[-] **Main query:**

[-] Person

BornIn: **Parameter 1**

LivesIn: **Parameter 2**

interface for specifying values, if placeholders are used in a query which shall be re-used



Overhauled Query Interface

Specification of a property chain

Query:

▼ Query definition

Include derived (inferred) results: ☒ yes

[Add Category](#)

[Add Property](#)

[Add Instances](#)

Main query: Add

Property:

Type

IsPa

Type

Add

Property value:

Property values r

☒ None ☐ Sp

[Add to query](#)

Query:

► Query definition

▼ Result

[Preview](#)

[Query Source](#)

[Ask syntax](#) | [SPARQL syntax](#)

```
{#ask: [[Category:City]]
[[CapitolOf:<q>
[[Category:Country]]
[[IsPartOf:EuropeanUnion]]
</q>]]
| ?CapitolOf
| format=table
| order=ascending
| link=all
| headers=show
| merge=false
|}}
```

[Update](#)

| [Discard changes](#)

Query statement represented in ASK
source syntax

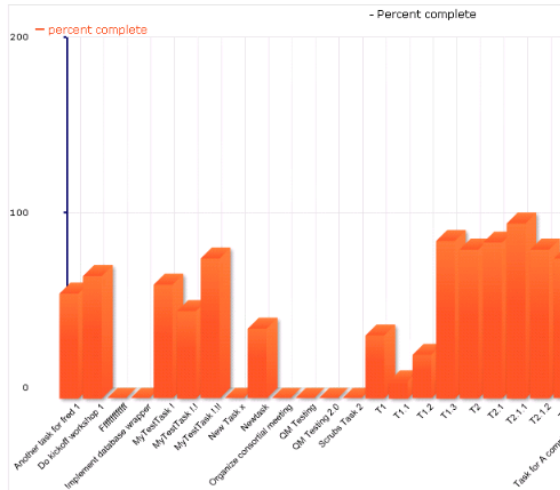


- Goal: Change aggregated semantic data in one place
- features: edit query results via tabular forms in the WYSIWYG editor

query result rendered within the WYSIWYG editor

GUI-Mockups: WikiBooks

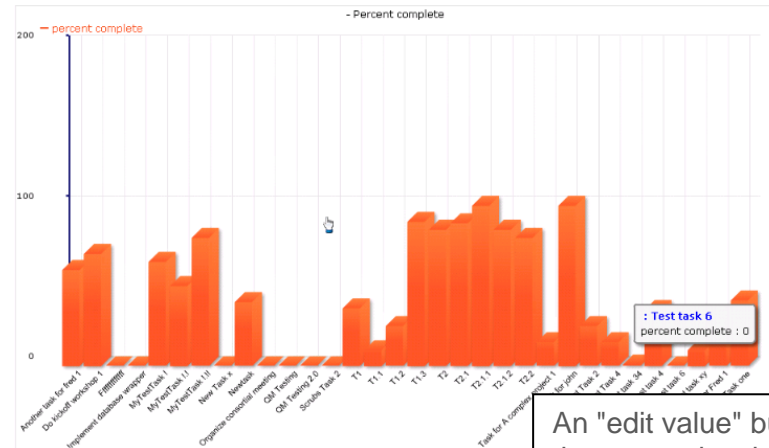
All tasks and their completion (in %)



Page Discussion

GUI-Mockups: WikiBooks

All tasks and their completion (in %)



An "edit value" button is shown when the user points his mouse on the query result

Edit values



Tabular Forms

Edit mode active with query result shown as table

GUI-Mockups: WikiBooks

Page Discussion

History Edit ? More

Format Normal

Edit query in table

To edit a cell click on the data cell.

Task	Percent complete
Important task nummer one	60
Unimportant task one	70

Discard changes

Update

Actually editing a data value in a table cell



- Goal: Make it aware of native MediaWiki permission controls and make it capable of re-using LDAP groups and users
- New features
 - Interlinkage with LDAP for group management
 - Combination with native MW access control
 - Improve toolbar for easier and quicker protection of pages



Improved Halo Access Control

Configuring a general right which will be applied wiki-wide

Create ACL | Manage ACLs | Manage Groups | Whitelist

Protect: ☒ Wiki ☐ Pages in Namespace ☐ Pages in category ☐ Page ☐ Property

Right(s):

Right

Name:

Features: ☐ Read ☒ Contribute ☐ Full control

Right description: Contribute for group: Manager

Autogenerate description text: ☒ on ☐ off

Define for: ☒ Specific group(s)
☐ All registered users ☐ All anonymous users ☐ All user

Select / Deselect

Groups	Select	User: 1 - 10 from 22 in Group
Filter in groups: <input type="text"/>		Filter: <input type="text"/>
<input type="checkbox"/> Groups		
Manager	<input checked="" type="checkbox"/>	Daniel
Designer	<input type="checkbox"/>	Daniel33
		Dms
		Domi
		Dominika
		Dommi
		Johannes
		JohannesS
		JudithD
		Mika
		<< first < prev

Protect: ☐ Wiki ☐ Pages in Namespace ☐ Pages in category ☒ Page ☐ Property

Name:

Right(s):

Right Not saved

Name:

Rights: ☐ Full access ☒ Read ☐ Edit ☐ Edit with form ☐ WYSIWYG
☐ Create ☐ Move ☐ Delete ☐ Annotate

Right description:

Autogenerate description text: ☒ on ☐ off

Define for: ☒ Specific user and/or group(s)
☐ All registered users ☐ All anonymous users ☐ All user

Select / Deselect

Groups	Select	User: 1 - 10 from 22 in Group: Manager
Filter in groups: <input type="text"/>		Filter: <input type="text"/>
<input type="checkbox"/> Groups		
Manager	<input checked="" type="checkbox"/>	Daniel
Designer	<input type="checkbox"/>	Daniel33
		Dms
		Domi
		Dominika
		Dommi
		Johannes
		JohannesS
		JudithD
		Mika

Restricting access for a group to a specific wiki page



Improved Halo Access Control

Tab for managing groups

The screenshot displays the 'Special page' interface for managing ACLs. The 'Manage Groups' tab is active, showing a list of existing groups under the 'ACL Group Explorer' section. The groups listed are Manager, Designer, AllRegisteredUser, and Manager (highlighted). A 'Group-Info' dialog is open, providing details for the selected 'Manager' group, which is identified as an LDAP group. The dialog lists its members: Robert, Daniel, Christoph, Ulrich, Dominika, Sandra, and Rene. The interface also includes sections for 'Editing' (Name: Manager, Features: Read, Contribute, Full control) and 'Groups and Users' (Filter in groups: Manager, Developer, AllRegisteredUser, Manager). A 'Delete selected' button is visible at the bottom right of the group list.

Special page

Create ACL Manage ACLs Manage Groups Whitelist

[ACL Group Explorer]

Show

- ☒ All
- ☒ HaloACL Groups
- ☒ LDAP Groups
- ☒ Conflicts

Existing groups

Add subgroup | Add group on some level

Groups

- Manager (LDAP-Group)
- Designer
- AllRegisteredUser
- Manager

Showing : 4 element(s)

Editing

[Manager] - U:Daniel, U:JudithD

Name: Manager

Features: ☐ Read ☒ Contribute ☐ Full control

Group description: U:Daniel, U:JudithD

Select / Deselect Assigned

Groups and Users

Filter in groups:

Groups

- Manager
- Developer
- AllRegisteredUser
- Manager

Users

Reset group settings Save group setting

Discard changes Save ACL

Group-Info

This group is a LDAP group!
You can't change the members of this group in the HaloACL GUI.

Name: Manager

Members:
Robert, Daniel, Christoph, Ulrich,
Dominika, Sandra, Rene [...]

Delete selected

The group management tab shows also groups defined in a connected LDAP system



Improved Halo Access Control

The ACL window for quickly restricting access to a wiki page

Ontoprise
know how to use Know-How

Change view | Sascha | Log out

Search this wiki

Go Search

Project management Software engineering My dashboard Articles and data

User Roles in SMW > Collaboration manager

Page Discussion

User Roles in SMW+

In the software engineering domain users who interact with a system are referred to as Actors, eg. in UML use cases. Throughout their interaction with any given system actors play different roles though. Roles are taken by an actor in order to pursue a particular goal at a particular time. User roles are therefore an abstraction from the actor, representing a relationship between the user and a system.

Each role can be described at least by the context in which it is performed, the characteristic manner in which it is performed, and by the evident design criteria for effective support of performance of the role.

An in depth role description for any given system can enable both interaction designers and developers to create a system which more tailored towards the specifics of this particular subset of users, especially in an agile development process.

It is noteworthy to mention that roles can be:

- **shared** - any number of different actors can take a role at the same time (of course within the system's constraints), e.g. numerous call center agents as actors can concurrently use a software system in their "customer supporter" role
- **switched** - which means each actor can occupy different roles and oftentimes switch them rapidly, e.g. a person running a store can switch from the role of a "customer supporter", helping a customer with a choice, to the "cashier" role very fast

Each Role has different tasks and **activities** attached to it. E.g. in the above mentioned examples the "cashier" has to take the money and give back the change, while as a "customer supporter" he would have to still they could be performed by the exact same actor.

Actors using SMW+ can take the following roles:

These roles are yet to be confirmed and validated within a SMW+ community survey. As a general rule of thumb any given system should not require or be designed for more than 7 roles.

Restrictions: None | [Change](#)

The ACL window showing the group browser

Ontoprise
know how to use Know-How

Change view | Sascha | Log out

Search this wiki

Go Search

Project management Software engineering My dashboard Articles and data

User Roles in SMW > Collaboration manager > User Roles in SMW > Search > User Roles in SMW

Page Discussion History Edit More

User Roles in SMW+

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Restrictions: [Change](#)

Viewing restricted to: Group: Developer | [more](#)

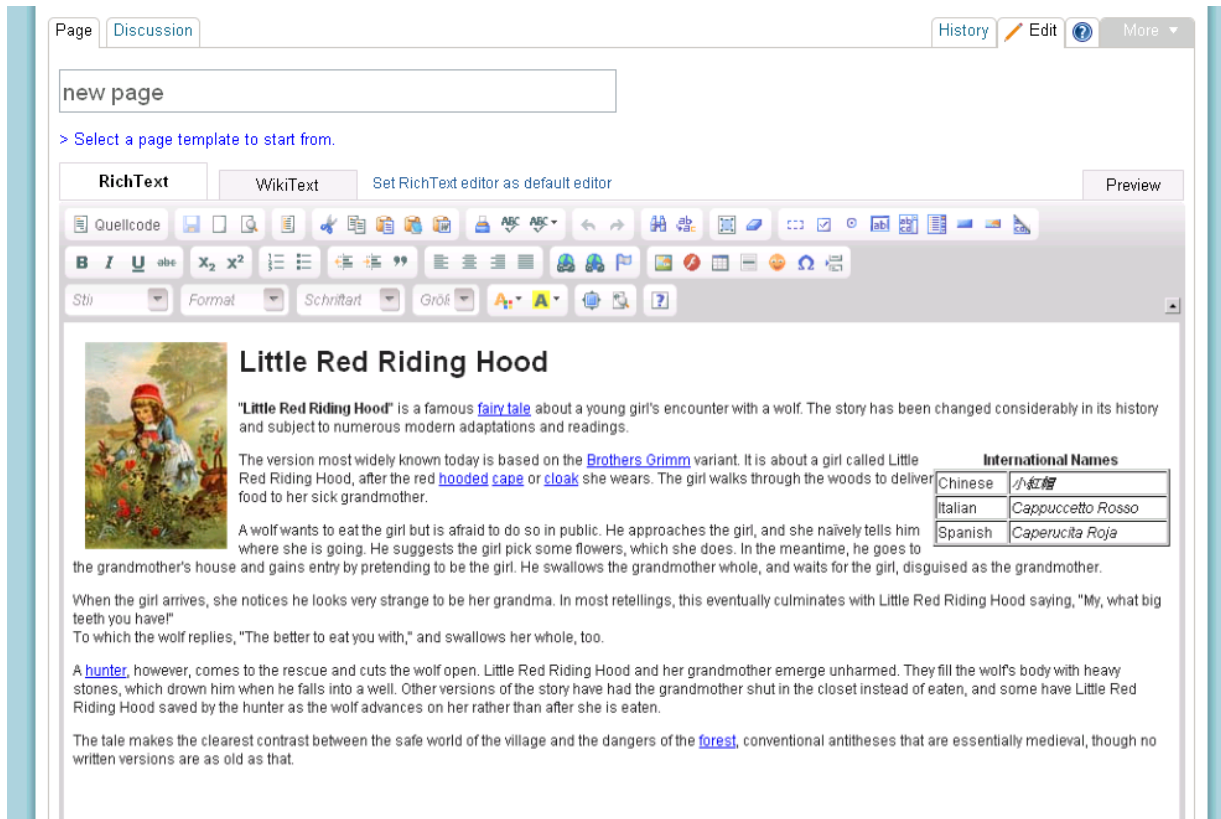
Access rights info for a page can be quickly inspected at the page bottom



- Goal: Replace discontinued FCKeditor by CKeditor and make it aware of semantics
- New features, e.g.
 - Semantic features
 - Annotate contents seamlessly with semantic properties (see [Adv. Annotation Mode](#))
 - Directly add/change queries and show rendered results
 - Directly create/edit logical rules
 - Directly add web service calls
 - Enhanced template picker
 - Adding source code at a page
 - Import contents from Word documents



- Ease creation of pages
- Inserting and modifying images



The screenshot displays the 'new page' creation interface of a WYSIWYG editor. At the top, there are tabs for 'Page' and 'Discussion', and buttons for 'History', 'Edit', and 'More'. A text input field contains 'new page', followed by a link to 'Select a page template to start from.' Below this, there are tabs for 'RichText' (selected) and 'WikiText', with a link to 'Set RichText editor as default editor' and a 'Preview' button. The RichText editor toolbar includes icons for source code, undo, redo, bold, italic, underline, strikethrough, text color, background color, bulleted list, numbered list, link, unlink, table, image, video, audio, and various alignment options. Below the toolbar, the editor shows a preview of a page titled 'Little Red Riding Hood'. The preview includes an illustration of a girl in a red hood, a paragraph of text about the fairy tale, a table of international names, and a section about the story's moral.

Little Red Riding Hood

"Little Red Riding Hood" is a famous [fairy tale](#) about a young girl's encounter with a wolf. The story has been changed considerably in its history and subject to numerous modern adaptations and readings.

The version most widely known today is based on the [Brothers Grimm](#) variant. It is about a girl called Little Red Riding Hood, after the red [hooded cape](#) or [cloak](#) she wears. The girl walks through the woods to deliver food to her sick grandmother.

A wolf wants to eat the girl but is afraid to do so in public. He approaches the girl, and she naively tells him where she is going. He suggests the girl pick some flowers, which she does. In the meantime, he goes to the grandmother's house and gains entry by pretending to be the girl. He swallows the grandmother whole, and waits for the girl, disguised as the grandmother.

When the girl arrives, she notices he looks very strange to be her grandma. In most retellings, this eventually culminates with Little Red Riding Hood saying, "My, what big teeth you have!" To which the wolf replies, "The better to eat you with," and swallows her whole, too.

A [hunter](#), however, comes to the rescue and cuts the wolf open. Little Red Riding Hood and her grandmother emerge unharmed. They fill the wolf's body with heavy stones, which drown him when he falls into a well. Other versions of the story have had the grandmother shut in the closet instead of eaten, and some have Little Red Riding Hood saved by the hunter as the wolf advances on her rather than after she is eaten.

The tale makes the clearest contrast between the safe world of the village and the dangers of the [forest](#), conventional antitheses that are essentially medieval, though no written versions are as old as that.

International Names	
Chinese	小红帽
Italian	Cappuccetto Rosso
Spanish	Caperucita Roja



Improved social/awareness features

- Goal: stay informed about activities of other wiki users or about status changes related to content and semantic data
- Features, e.g.
 - Personal notification dashboard for receiving notifications and managing subscriptions of notifications
 - Subscribe to general notification sources with one click (e.g. on a property or a user page)
 - Define and embed custom notification sources (e.g. all changes of WPs related to a project)
 - Receive notifications as emails or RSS



Improved social/awareness features

The subscribe tab at a regular wiki page

The screenshot displays the Ontoprise wiki interface. At the top, the logo 'ontoprise know how to use Know-How' is visible. A navigation bar includes links for 'Project management', 'Software engineering', 'My dashboard', and 'Articles and data'. The breadcrumb trail reads: 'Design Phase Report AIP4 > Main Page new > SMW Design Phase 2010 > Design Rule Management'. The 'Page' tab is selected, and the 'Subscribe to' dropdown menu is open, showing options: 'All actions', 'All properties', 'Content changes', and 'Category membership'. The 'Article' section is also visible, showing 'Property' and 'All instances in category'. The main content area contains text about the daily use of SMW for project management, mentioning a knowledge base with over 5000 instances. The footer includes a copyright notice for 2010 and the page number 21.

ontoprise
know how to use Know-How

Change view | Sascha | Log out

Search this wiki

Go Search

Project management Software engineering My dashboard Articles and data

Design Phase Report AIP4 > Main Page new > SMW Design Phase 2010 > Design Rule Management

Page Discussion

Subscribe to History Edit ? More

no abstract specified

ontoprise
know how to use Know-How

Change view | Sascha | Log out

Search this wiki

Go Search

Project management Software engineering My dashboard Articles and data

Design Phase Report AIP4 > Main Page new > SMW Design Phase 2010 > Design Rule Management

Page Discussion

Subscribe to History Edit ? More

Edit	All actions	Article
Delete	All properties	Property
...	Content changes	All instances in category
	Category membership	

Our experience in the daily use of SMW for project management has shown that managing the growing knowledge base is a real challenge. As of December 2009 we have > 5000 instances of task, work-package, deliverable, etc. in our HALO project knowledge base. Every instance is edited about 5 times per year and viewed as many times. Each

managed for project:
SMW Design Phase 2010
Click to change this...

Belongs to Phase: **SMW Design Phase 2010 (phase)**

The expanded subscribe tab showing multiple subscription options



Improved social/awareness features

The Personal Notification Dashboard showing the most recent notifications

Personal Notification Dashboard

View notifications

Manage subscriptions

Manage custom notification sources

Receive notifications as e-mail ☒ | Update interval every: days

Recent notifications

[Subscribe to rss feed](#)

Subject	User	Action	Label	Summary	Date	Content changes
ArticleX	Fred	Edit	PropertyX value changed	* Comment: Did some modifications. * Value of PropertyX changed from Y to Z	2010-01-10 10:06:10	Show details
ArticleX	Fred	Create	CategoryX membership changed	* ArticleX added to CategoryX	2010-01-10 10:06:10	
ArticleX	Fred	Edit	ArticleX changed	* Comment: Changed the intro text	2010-01-10 10:06:10	

Personal Notification Dashboard

View notifications

Manage subscriptions

Manage custom notification sources

Receive notifications as e-mail ☒ | Update interval every: days

Recent notifications

[Subscribe to rss feed](#)

Subject	User	Action	Label	Summary	Date	Content changes
ArticleX	Fred	Edit	PropertyX value changed	* Comment: Did some modifications. * Value of PropertyX changed from	2010-01-10 10:06:10	Show details

Content change details

(Difference between revisions)

Revision as of 17:19, 18 December 2009 (edit)

[WikiSysop \(Talk | contribs\)](#)

[← Older edit](#)

Current revision as of 17:21, 18 December 2009 (edit) (undo)

[WikiSysop \(Talk | contribs\)](#)

Line 1:

`<big>'''SMW''' 1.4.6 has been successfully installed'''</big>`

`<big>'''SMW''' 1.4.6 has been successfully installed'''</big>`

`<big>'''SMW''' 1.4.6 has been successfully installed'''</big> (see what's new in [[What_is_new_in_SMW%2B_1.4.6|this release]])
`

`<div style="line-height: 1.5em; text-align: justify; padding-right: 5px;">`

`== About SMW⁺+</sup> ==`

Line 1:

`<big>'''SMW''' 1.4.6 has been successfully installed'''</big>`

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`

`<div style="line-height: 1.5em; text-align: justify; padding-right: 5px;">`

`== About SMW⁺+</sup> ==`

The notifications also allow to view content-based changes in detail




Improved social/awareness features

The Personal Notification Dashboard also allows to quickly subscribe or unsubscribe notification sources


Notification dashboard | Change view | WikiSysop | Log out

View notifications | **Manage subscriptions** | Manage custom notification sources

Subscribed build-in notifications sources

Notification name	Description	Subscribe	RSS feed
WatchArticleX		<input checked="" type="checkbox"/>	

All available custom notification sources

Notification source name	Description	Subscribe	RSS feed
EditActivityUserX		<input checked="" type="checkbox"/>	

is a simple set of tools to create projects, tasks and events for a small wor

Create a custom notification source

▼ Definition

Include derived (inferred) results: ☒ yes

[Add Category](#) [Add Property](#) [Add Instances](#)

Add property

Property:
Type: String

Property values restriction:

☐ None ☒ Specific value ☐ Subquery

Property value:

Consider property that : ☒ Gets added ☒ Gets removed ☐ Stays unchanged

[Add](#) [Cancel](#) [Reset](#)

Notification:

- ☒ HasStatus = Ready
Consider property that:
- Gets added
- Gets removed
- ☒ IsPerformedBy = Fred

▼ Result

Preview **Source**

Subject	User	Action	Label	Summary	Date	Content change
ArticleX	Fred	Removed	Property value: HasStatus was removed		2010-01-10 10:06:10	Show details

Notification source name:

Notification source description:

[Save notification source](#) | [Discard](#)

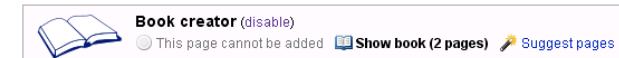
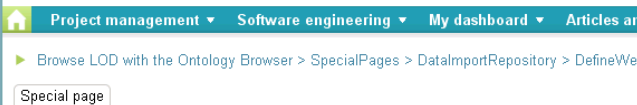
Interface for creating a more complex, custom notification



- Goal: Make the Collection extension aware of semantic queries
- Features
 - Add articles to collections via inline queries
 - Correctly print results of inline queries in exports



Interface for managing collections and adding pages via queries



Manage your book

Title:
Subtitle:

[Create chapter](#) [Sort alphabetically](#) [Clear book](#)

Use drag & drop to reorder wiki pages and chapters

- Main Page
- Columbia Slough
- Query1



Update query

Use the Query Interface

Add articles to the collection via an inline query.

Download

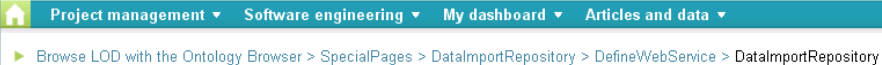
To download your book choose a format and click the button.

Format:

Save and share

If you want to save books for later use, please [log in or create an account](#).

All saved books are added to the category [Wikipedia Books](#).



Special page



Book creator (disable)

☐ This page cannot be added

[Show book \(2 pages\)](#)

[Suggest pages](#)

[Help](#)

Manage your book Article 1

Title:
Subtitle:

[Create chapter](#) [Sort alphabetically](#) [Clear book](#)

Use drag & drop to reorder wiki pages and chapters

- Main Page
- Columbia Slough
- All articles in Category: Use Cases
 - Articlename 1
 - Articlename 2
 - Articlename 3



Edit query in query interface

Use the Query Interface to add articles

Add articles to the collection via an inline query.

[Open query interface](#)

Download

To download your book choose a format and click the button.

Format:

[Download](#)

Save and share your book

If you want to save books for later use, please [log in or create an account](#).

All saved books are added to the category [Wikipedia Books](#).

Queries for collections can be edited and updated anytime



- Goal: leverage full text search with faceted browsing in order to allow for a more structured search
- Feature
 - Provide facets based on categories and properties for exploration and drilling down



Faceted Browsing

The search page with the enabled faceted browsing feature

The screenshot displays the Semantic Enterprise Wiki interface. At the top, there's a navigation bar with links like 'Change view', 'WikiSysop', and 'Log out'. Below this is a search bar with the text 'Search this wiki' and buttons for 'Go' and 'Search'. A breadcrumb trail shows the path: 'Fred > Person > Fred > Main Page > FacetedBrowsing'. The main content area is titled 'Special page' and 'Search'. The search term 'Fred' is entered in the search box. Below the search box, a message states 'This page does not exist. Click here to create the page.' and a link to 'Hide search options' is provided. The search results are displayed in a table with columns for 'Page 1 - 2', '(prev) (next 20)', and 'Results per page (20 | 100 | 500)'. The results list several items, each with a magnifying glass icon, a title, a category, and a description. The first result is 'Jayant Narlikar', followed by 'Activity modelling SMW Design 2010 use cases', 'Darkmatter:Release CW35 Verification', 'Finding a name for SMW+', and 'Exploring the wiki by doing "faceted browsing"'. Each result includes a brief description and a 'Last changed' timestamp.

Change view | WikiSysop | Log out

Search this wiki Go Search

Projects Current project My dashboard Articles and data Administration

Fred > Person > Fred > Main Page > FacetedBrowsing

Special page More

Search

Fred Search

This page does not exist. [Click here to create the page.](#)

▼ Hide search options

▼ Types

- ☒ All types
- [more...](#)

▼ Category

- [Company](#) (125)
- [Marketing and Sales](#) (102)
- [Person](#) (89)
- [Product management](#) (86)
- [Release](#) (65)
- [Requirement](#) (63)
- [Risk](#) (54)
- [Role](#) (45)
- [Software Documentation](#) (41)
- [Term](#) (37)
- [Use Case](#) (35)
- [UserDocumentation](#) (29)
- [more...](#)

Page 1 - 2 (prev) (next 20) Results per page (20 | 100 | 500)

Jayant Narlikar ⓘ
is in category: 1938 births | Astrophysicists | Indian physicists | Living people | Padma Vibhushan awardees
... cosmology. His work on [[conformal gravity]] theory with **Fred** Hoyle|Sir **Fred** Hoyle]], called Hoyle-Narlikar theory,
ach... 1963 - Narlikar did his Ph.D. under the guidance of Scientist **Fred** Hoyle]]. That year he went to [[King's College
Last changed: 2006-11-21 21:51:14

Activity modelling SMW Design 2010 use cases ⓘ
***Fred** for LoD as UE #visualize performance and participation models -> **Fred**
Last changed: 2010-02-08 19:32:50

Darkmatter:Release CW35 Verification ⓘ
is in category: System Verification
* enhance description texts on filters and transformations -> **Fred** * change error messages -> **Fred**
Last changed: 2007-09-14 10:59:44

Finding a name for SMW+ ⓘ
***Fred**: KWIKI ** (super, **fred**, ganz ganz toll: "schnelle nummer") -> ich meins ernst: Wiki heißt sowies...
Last changed: 2008-04-24 14:29:25

Exploring the wiki by doing "faceted browsing" ⓘ
is in category: Use Case
User goes to the "assigned to" property and enters "**Fred**" in the text field and sets this facet.ng to" "Project""des
to" "Person""**Fred**".
Last changed: 2010-02-09 11:15:49



Faceted Browsing

The faceted browsing feature showing the initial filter layers: types (i.e. selected namespaces) and categories, with no filters applied

Search

Fred

Search

This page does not exist. [Click here to create the page.](#)

▼ Hide search options

▼ Types

- ☒ All types
- ☒ Article
- ☒ Category
- ☒ Property
- ☒ Template
- ☒ Pdf
- ☒ Document
- ☒ Help
- ☒ Video
- ☒ Audio
- ☒ File

☐ Rules only
[less...](#)

▼ Category

- [Company](#) (125)
- [Marketing and Sales](#) (102)
- [Person](#) (89)
- [Product management](#) (86)
- [Release](#) (65)
- [Requirement](#) (63)
- [Risk](#) (54)
- [Role](#) (45)
- [Software Documentation](#) (41)
- [Term](#) (37)
- [Use Case](#) (35)
- [User Documentation](#) (29)
- [more...](#)

Page 1 - 2

Search

Fred

Search

This page does not exist. [Click here to create the page.](#)

▼ Hide search options

▼ Types

- ☒ All types
- [more...](#)

▼ Category

- [Any Category](#)
- [Person](#) (21)

▼ Birthdate

- [Any Format](#)
- [1970 - 2000](#) (10)

▼ Death

From: to:

Any Format

- [1970 - 2000](#) (10)
- [1950 - 1970](#) (7)
- [1900 - 1950](#) (4)
- [more...](#)

► Salary

► Age

► Birthdate

► Salary

► Age

► more...

Page 1 - 2

(prev) [next 20](#)

Results per page (20 | [100](#) | [500](#))

- [Jayant Narlikar](#) ⓘ
is in category: 1938 births | Astrophysicists | Indian physicists | Living people | Padma Vibhushan awardees
... cosmology. His work on [[conformal gravity]] theory with [[Fred Hoyle|Sir Fred Hoyle]], called Hoyle-Narlikar theory, ach. ... 1983 - Narlikar did his Ph.D. under the guidance of Scientist [[Fred Hoyle]]. That year he went to King's Collie
Last changed: 2008-11-21 21:51:14
- [Activity modelling SMW Design 2010 use cases](#) ⓘ
*Fred for LoD as UE visualize performance and participation models -> Fred
Last changed: 2010-02-04 19:32:50
- [Darkmatter:Release CW35 Verification](#) ⓘ
is in category: System Verification
* enhance description texts on filters and transformations -> Fred * change error messages -> Fred
Last changed: 2007-09-14 10:59:44
- [Finding a name for SMO...](#) ⓘ
*Fred: **Search result for FRED in ALL TYPES and Category: PERSON with BIRTHDATE between 1970 - 2000**
Last changed: 2008-04-24 14:...
- [Exploring the wiki by doing "faceted browsing"](#) ⓘ
is in category: Use Case
User goes to the "assigned to" property and enters "Fred" in the text field and sets this facet. ...ng to "Project" "des
to" "Person" "Fred".
Last changed: 2010-02-09 11:12:49
- [Breadcrumb path for faceted browsing](#) ⓘ
is in category: Use Case
User goes to the "assigned to" pro... and "Person" "Fred" and ...?
Last changed: 2010-02-09 10:35:55
- [LoD Design project internal co...](#) ⓘ
(excused: Fred) *planning of the use...
Last changed: 2010-02-04 15:28:36

The faceted browsing with filters active for the facets category person and property birthdate between 1970 and 2000



- Goal: Enable the convenient management of rules in the wiki
- Features
 - Browse rules and rule hierarchy
 - Searching for rules
 - View rules on rendered pages
 - Enabling/disabling rules and change notifications
 - Exporting rules (e.g. for usage in external ontology editors)



Rule Management

The property tree marks properties that are inferred by rules

The ontology browser lets you navigate through the ontology to easily find and identify items in the wiki. Use the Filter Mechanism at the upper left to search for specific entities in the ontology and the filters below each column to narrow down the given results. Initially the flow of browsing is left to right. You can flip the flow by clicking the big arrows between the columns.

Press **Ctrl+Alt+Space** to use auto-completion. (Ctrl+Space in IE)

☐ no inferred ☐ properties of range

Category Tree **Property Tree** Rule Tree

Completion (edit) (open)
CompoundName (edit) (open)
ContactDetails (open)
ContainsBranches (open)
Content intensive (edit) (open)
Context (edit) (open)
Coordinates (edit) (open)
CorrespondingUIS (edit) (open)
Corresponds to (edit) (open)
Country (edit) (open)
Covered requirements (edit) (open)
CreatedBy (open)
CreationDate (open)
Damage (open)
DateOfRestEffort (open)
Date of status change (open)
Datum (open)
Debug (open)
Definition (edit) (open)
DeliverableForPhase (edit) (open)
DeliverableHasDescription (edit) (open)
Is_finished (edit) (open) R ●

Filter

Rule

R Rule1

Rule

Rule

Rule

Rule

Rule

Rule

Rule

Rule

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Rule

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Rule

Rule

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Rule

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Press **Ctrl+Alt+Space** to use auto-completion. (Ctrl+Space in IE)

☐ no inferred ☐ properties of range

Category Tree **Property Tree** **Rule Tree**

☐ Rule1 (edit) (open) ●
 Subrule1 (edit) (open) ●
 Rule2 (edit) (open) ●
 Rule3 (edit) (open) ●

☐ no inferred ☐ properties of range

☐ no inferred ☐ properties of range

☐ no inferred ☐ properties of range

☐ no inferred ☐ properties of range

☐ no inferred ☐ properties of range

☐ no inferred ☐ properties of range

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☐ no inferred ☐ properties of range

☐ no inferred ☐ properties of range

☐ no inferred ☐ properties of range

Rule details

R Rule2

Rule: ☒ Rule syntax ☐ Stylized english

```
X[Is_finished->"true"]  
<-  
X:Workpackage  
AND X[HasRequirement->R]  
AND R[HasStatus->S]  
AND equal(R, 100).
```

Status: ☐ Active ☒ Deactive

Type: Definition rule

Language: Object-logic

[>> Open rule in rule editor](#)

The ontology browser will come with a dedicated tab for browsing rules



Rules written on a page will be marked via a dedicated info-box

Kafka

Jemand musste Josef K. verleumdet haben, denn ohne dass er etwas Böses getan hätte, wurde er eines Morgens verhaftet. »Wie ein Hund!« sagte er, es war, als sollte die Scham ihn überleben. Als Gregor Samsa eines Morgens aus unruhigen Träumen erwachte, fand er sich in seinem Bett zu einem ungeheueren Ungeziefer verwandelt. Und es war ihnen wie eine Bestätigung ihrer neuen Träume und guten Absichten, als am Ziele ihrer Fahrt die Tochter als erste sich erhob und ihren jungen Körper dehnte.

»Es ist ein eigentümlicher Apparat«, sagte der Offizier zu dem ihm doch wohl bekannten Apparat. Sie hätten noch ins Boot springen können, aber der Reisende hob ein schweres, geknotetes Tau vom Boden, drohte ihnen damit und hielt sie dadurch von dem Sprunge ab. In den letzten Jahrzehnten ist das Interesse an Hungerkünstlern sehr zurückgegangen. Aber sie überwand den Käfig und wollten sich gar nicht fortrühren. Jemand musste Josef K. verleumdet haben, denn ohne dass er etwas Böses getan hätte, wurde er eines Morgens verhaftet. »Wie ein Hund!« sagte er, es war, als sollte die Scham ihn überleben.

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Show rules

- ▶ Rule 1 : Active
- ▶ Rule 2 : Deactive

Jemand musste Josef K. verleumdet haben, denn ohne dass er etwas Böses getan hätte, wurde er eines Morgens verhaftet. »Wie ein Hund!« sagte er, es war, als sollte die Scham ihn überleben. Als Gregor Samsa eines Morgens aus unruhigen Träumen erwachte, fand er sich in seinem Bett zu einem ungeheueren Ungeziefer verwandelt. Und es war ihnen wie eine Bestätigung ihrer neuen Träume und guten Absichten, als am Ziele ihrer Fahrt die Tochter als erste sich erhob und ihren jungen Körper dehnte. »Es ist ein eigentümlicher Apparat«, sagte der Offizier zu dem Forschungsreisenden und überblickte mit einem gewissermaßen bewundernden Blick den ihm doch wohl bekannten Apparat. Sie hätten noch ins Boot springen können, aber der Reisende hob ein schweres, geknotetes Tau vom Boden, drohte ihnen damit und hielt sie dadurch von dem Sprunge ab. In den letzten Jahrzehnten ist das Interesse an Hungerkünstlern sehr zurückgegangen. Aber sie überwand den Käfig und wollten sich gar nicht fortrühren. Jemand musste Josef K. verleumdet haben, denn ohne dass er etwas Böses getan hätte, wurde er eines Morgens verhaftet. »Wie ein Hund!« sagte er, es war, als sollte die Scham ihn überleben.

Show rules

▼ Rule 1

Rule: ☐ Rule syntax ☒ Stylized english

A workpackage is_finished true
if the workpackage has requirement
and the requirement has status
and the status is 100.

Status: **Rule is active** | [Deactivate rule](#)

Type: Definition rule

Language: Object-logic

[>> Open rule in rule editor](#)

▶ Rule 2 : Deactive

The rule info-box will also provide detailed information on a specific rule



- Goal: Tab *Linked Open Data* and make the wiki capable of consuming and publishing it
- Features
 - Defining LOD Sources
 - Searching and browsing within LOD
 - Mapping LOD entities to your wiki knowledge base
 - Including external data in queries within the wiki
 - Providing support when writing an article
 - Getting provenance info and rating



Linked Open Data

The LOD source definition screen with an example definition for DBpedia

The screenshot shows the SMW+ Semantic Enterprise Wiki interface. The top navigation bar includes 'Projects', 'Current project', 'My dashboard', and 'Articles and data'. The breadcrumb trail is 'Fred > Person > Fred > Main Page > DataImportRepository'. The 'Special page' dropdown is open, showing 'WS Definitions', 'Term Import Def.', and 'LOD Sources'. The 'LOD Sources' tab is active, displaying a table of existing sources:

Priority	Name	Description	Base URL
1	StarWars		http://starwarswiki.org/rdf/
2	imdb.com		http://imdb.com/rdf/
3			

A modal form titled 'Add LOD Source:' is open, containing the following fields:

- Name: dbpedia
- Description: The best LOD source on the web
- Base URL: http://dbpedia.com/rdf
- Linked Data Prefix (optional):
- Data Dump Location (optional):
- Change Frequency: weekly

Buttons for 'Save' and 'Cancel' are at the bottom of the modal. The 'Quicklinks' section at the bottom includes 'About SMW+', 'Special pages', 'Ontology Browser', and 'Recent changes'.

This screenshot shows the same SMW+ interface, but with the 'LOD Sources' tab active and the sources sorted by priority. The table is as follows:

Priority	Name	Description	Base URL	Edit	Mappings
1	dbpedia	The best LOD source on the web	http://dbpedia.org/rdf/	Edit	Mappings
2	StarWarsWiki	My favourite source of star wars knowlege	http://starwarswiki.org/rdf/	Edit	Mappings
3	imdb.com	The No1 Movie database on the web	http://imdb.com/rdf/	Edit	Mappings

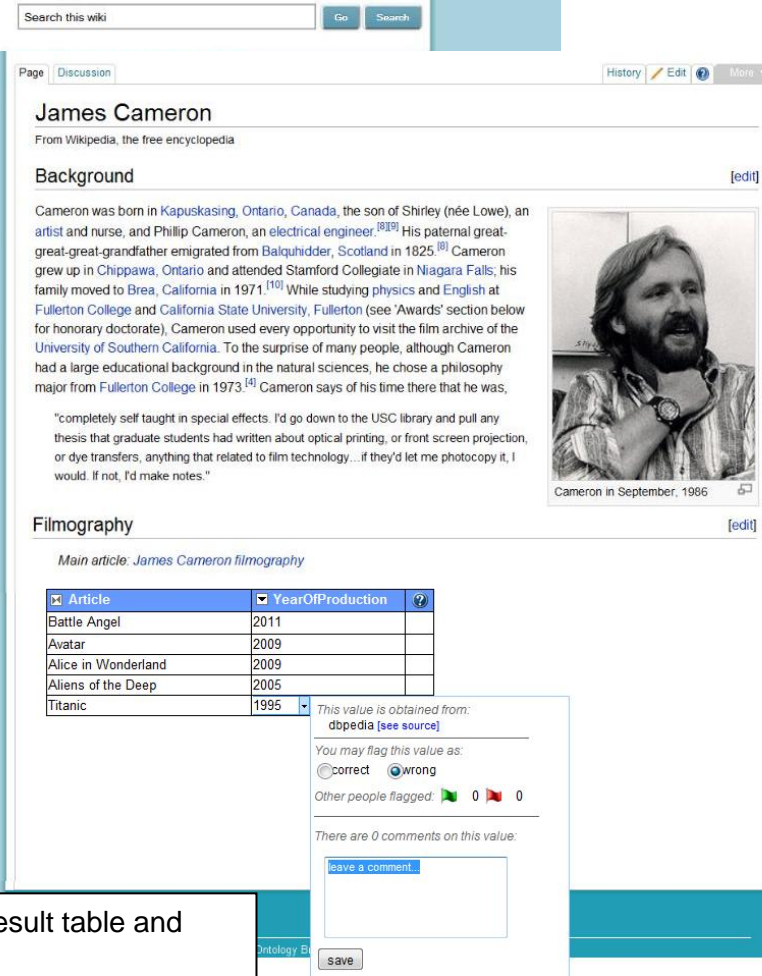
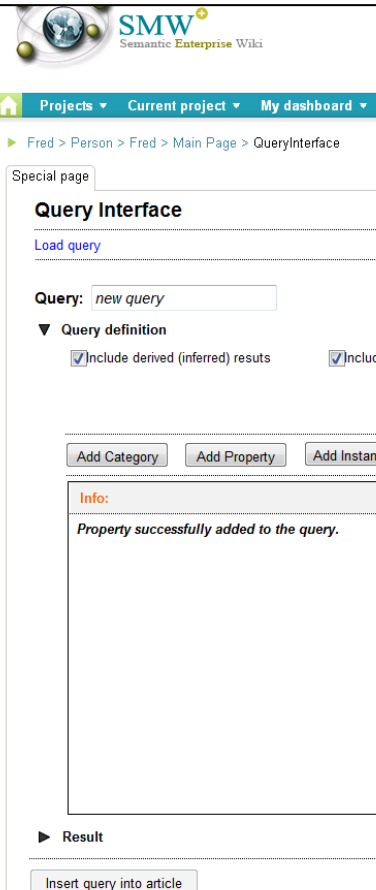
The 'Add LOD Source' modal is no longer present. The 'Administration' dropdown is visible in the top right. The 'Quicklinks' section at the bottom includes 'About SMW+', 'Special pages', and 'Ontology Browser'.

The LOD management interface with sources sorted for order of preference in queries



The Query Interface enabled to include data from external sources

Query result table in an article, highlighting data from LOD sources



Article with a query result table and LOD rating interface



Prospective milestones/releases in 2010



Amongst others:

- Enhanced retrieval extension
 - Supports rule search
- HaloACL
 - LDAP connector
 - HaloACL groups available for MediaWiki's group permissions
- Halo Extension
 - query cache
 - improved query interface
 - OntologyBrowser visualizes rules / can access LOD
- Linked Data Extension
 - basic functionality for integrating linked data into the wiki



Amongst others:

- Semantic Notifications (social/awareness features)
 - Personal Notifications Dashboards
 - one-click-subscription processes for subscribing to notifications
 - filtering notifications
 - notifications via RSS Feed
- Semantic WikiBooks
 - organize the articles via inline queries
 - adapt WikiBook render to support basic inline queries
- WYSIWYG extension
 - new CKeditor



Amongst others:

- Enhanced retrieval extension
 - Faceted browsing
- Semantic Forms
 - Automatic semantic forms generation based on schema information
- Full support of LOD in the wiki



Thanks for your attention!

- Let us know what you like (or dislike) regarding Halo and what should be improved
- Tell us how or for what reason you apply Halo
- So that we can develop it according to your needs!

<http://wiki.ontoprise.com>

place for information on
features, news, manuals and
development activities of Halo

